

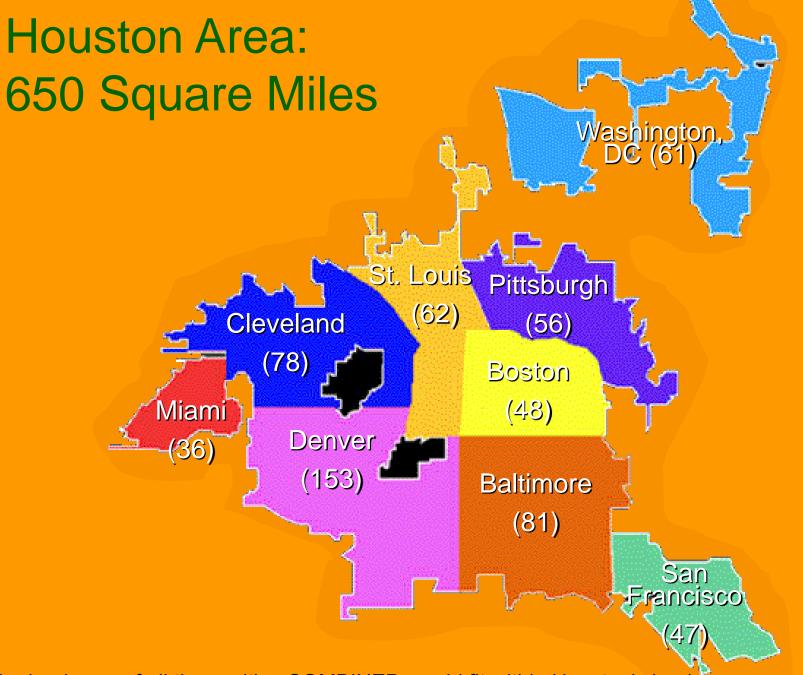
Street & Drainage Division



Houston Population: Over 2.1M



The populations of all these cities COMBINED would fit within our population. Estimate as of 1-1-2010



The land area of all these cities COMBINED would fit within Houston's land area.



DEPARTMENTAL



PWE Mission Statement

Plan, design, construct, operate and maintain Houston's public infrastructure systems to provide drinking water, wastewater treatment, storm water drainage and streets; establish and enforce the City's building and development codes; all in a responsive, effective, efficient and responsible manner to serve our customers.

PWE Vision Statement

Be a rock solid, responsive and respected organization for Houston and be the premier public works department in the United States.

PWE Values Statement

Commitment to excellence through continuous improvement, competence, innovation, courage, trustworthiness, integrity, selfless service and teamwork.



Mission

To deliver quality service, in a safe and timely manner, that provides for the smooth operation and high-level maintenance of streets, bridges, and storm water infrastructure in the city's rights-of-way.

Goals

- 1. Be responsive to the requests of the public 311
- 2. Be efficient and provide quality service in our daily operation
- 3. Meet our budget

Street and Bridge

Maintain a smooth riding surface free of obstacles and debris.

Storm Water

Maintain the flow of storm water free of debris and foreign objects in order to meet the two year storm.



There are three branches within the Street & Drainage Division headed by **Deputy Director Eric K. Dargan**

These Branches are:

- The Administrative Branch, currently Vacant
- The Storm Water Maintenance Branch, led by Assistant Director Michael G. Hogan
- The Street and Bridge Maintenance Branch, led by Assistant Director Diane Lowery-Binnie

Operating budget approximately \$76 million

Personnel over 700 Employees





Street & Drainage Division

311 Requests

- Receives
- Dispatches
- Investigates
- Responds

Maintains 24/7 dispatch/hotshot operation.

Responds to urgent requests.

Number of 3-1-1 SR's <u>FY11 FY12 FY13 FY14</u> Work Orders 36,049 38,840 35,752 35,596





Storm Water Maintenance Branch

- Roadside/Off-road Ditch Maintenance
- Storm Sewer Maintenance
- Storm Water Quality Enforcement TPDES (Texas Pollutant Discharge Elimination System)
- Technical Services



Storm Water Maintenance Branch



Responsible for maintenance of:

- 3,600+ Miles of Roadside Ditches
- 3,500+ Miles of Storm Gravity Mains
- 110,000+ Storm Drainage Inlets
- 76,000+ Storm Water Manholes
- 62+ Miles of Off-Road Major Drainage Ditches
- 15 Storm Water Detentions Basins

Road Side/Off Road Ditch Maintenance Section(s)

- Desilt and regrade drainage ditches
- Flush culverts under driveways and streets
- Monitor storm water collection
- Maintain COH detention basins/ponds



Storm Water Maintenance Branch



Storm Sewer Maintenance Section:

Clean manholes and inlets and replaces missing manhole covers

Technical Services Section

Inspect new and rehabilitated storm sewer systems and components

Storm Water Quality Enforcement Section

- Monitor & inspect runoff to prevent pollutants from entering streams and bayous
- Work in support of the city's Texas Pollutant Discharge Elimination
 System (TPDES) Storm Water Permit

Roadside Ditch Maintenance

Cutting Ditch for Grading



Roadside Ditch Desilted/Regraded (275 miles annually)



Off Road Ditch Maintenance

- Close up of side mowers; note each mower is cutting at a staggered level. This makes mowing large easements/off road ditches faster and more efficient.
- Major Ditches Inspected (244 miles annually)
- Off Road Drainage Easements Mowing (3 cycles annually)



Storm Sewer Maintenance

Beam Top Repair

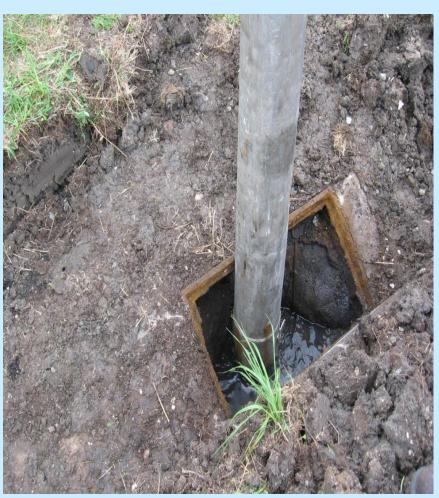
- Inlet/Manhole Maintenance (40,000 annually)
- Storm Sewer Lines/Leads Inspected (240 miles annually)





Storm Sewer Man Entry Inlet Cleaning With Vacuum Truck







Technical Services Section

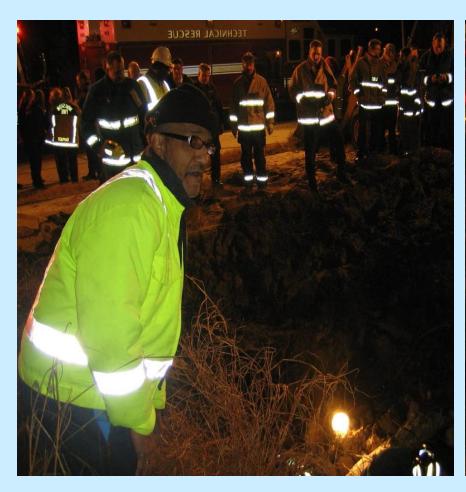
Drainage Assessments

- Event driven or requested by other entities.
 (e.g. Structural Flooding or Engineer's Request)
- Duration is 60 days from the initial request until the Drainage Assessment Summary is complete.



Technical Services Assistance

Crew called out excavate a horse from a manhole.





Storm Water Quality Enforcement Section

- Storm water and Spill Prevention Plans
- Manifest
- Industrial Wastewater Permits
- Household Hazardous Waste (650,000 lbs)

Before After





Storm Water Quality Enforcement Section



Storm Water Environmental Inspections (1,400 each annually)

Adopt-A-Ditch Project









Acres Homes Adopt-A-Ditch Project **Before**









Acres Homes Adopt-A-Ditch Project
After







South Park Adopt-A-Ditch Project **Before**









South Park Adopt-A-Ditch Project
After









Clinton Drive SEP Parking Lot Project **Before**









Clinton Drive SEP Parking Lot Project **After**







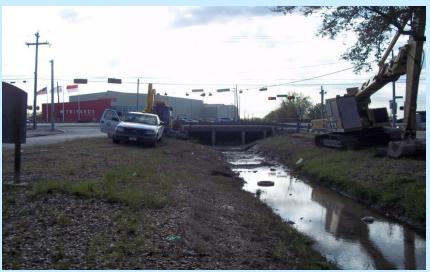


Almeda Plaza Adopt-A-Ditch Project **Before**









Almeda Plaza Adopt-A-Ditch Project **After**











Street and Bridge Maintenance Branch

- Bridge Maintenance
- General Maintenance
- Specialized Maintenance



Street and Bridge Maintenance Branch



Responsible for maintenance of:

- 5,700 center line miles (16,000 lane miles) of roadways
- 1382 bridges

Bridge Maintenance Section:

- Inspect bridges as required by TXDOT regulations
- Provide bridge maintenance and reconstruction



Street and Bridge Maintenance Branch



Specialized Maintenance Section:

- Repair potholes and overlaying roadways
- Inventory of street conditions

General Maintenance Section is responsible for:

- In-house crews repairing street buckles
- Sweep the downtown area and major thoroughfares
- Mow and control the weeds on city streets and drainage rights-ofway



Bridge Construction

Woodland Hills Project



Bridges Replaced & Special Projects (8)

Street Maintenance

Pot Hole Patchier



Over 60,000 filled per year!



General Maintenance

Concrete Repair



Cubic Ft Concrete Street Repaired/Replaced (262,000)

General Maintenance

Concrete Repair





General Maintenance

Mowing



- Litter Removal (8,500 cu yd. annually)
- Right of Way Mowing (1 cycle annually)

Specialized Maintenance

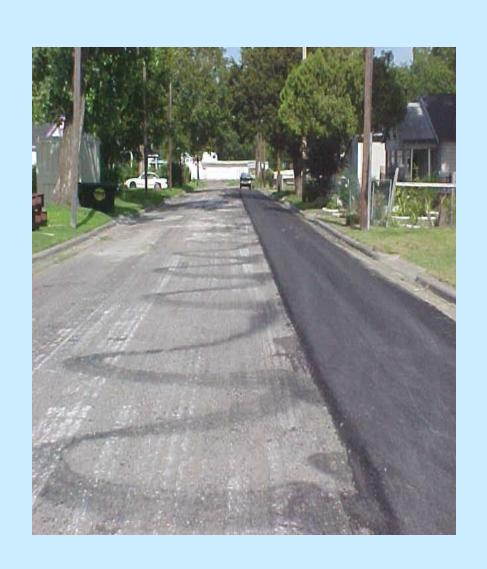
Street Sweeper



Gutters Swept (21,500 miles annually)



Street Resurfacing

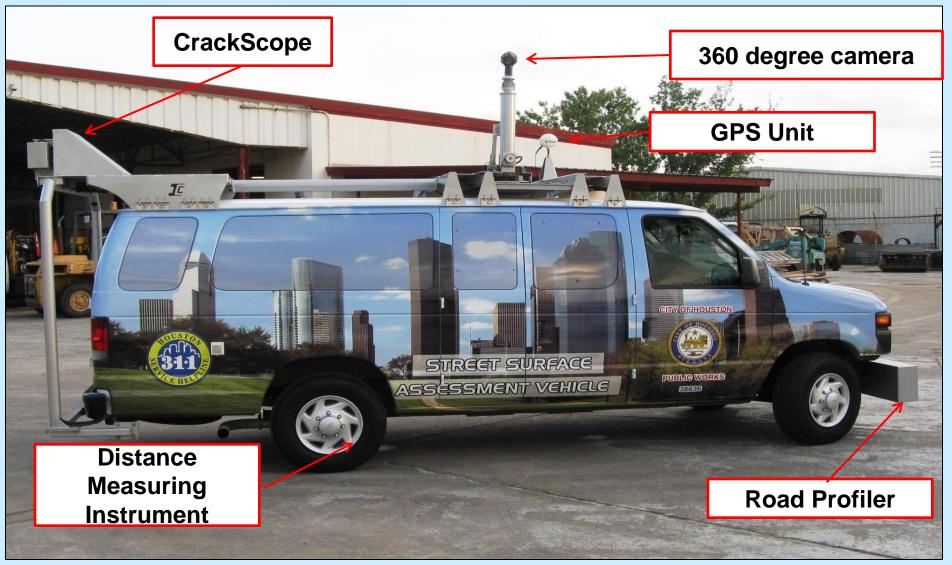






Technical Components of the Street Surface Assessment Vehicle







Frequently Asked Questions





- •There is a pothole on my street that needs to be repaired?
- •How do I get the alley behind my home repaired?
- •I need my driveway repaired. How do I get the City to repair it?
- •My sidewalk is cracked and broken. How do I get it repaired?
- •The curbs in my neighborhood are cracked and broken. How can I get them repaired?



- •How do I report a tree down in the street (storm related)?
- •How do I get the weeds mowed on the City's easement?
- •How do I get street lights repaired?
- •My street floods. How do I get something done about this problem?
- •I have standing water in front of my house? How do I get something done about this problem?





- •How do I get the storm sewers in my neighborhood cleaned?
- •How do I get the roadside ditches on my street cleaned/desilted?
- •How do I get the ditch in front of my house covered?
- •I need culverts set for a driveway. How do I get this done?





What can you do to HELP?





Contact us at 311/713-837-0311 or email us at:

311@houstontx.gov

Android:

Here is a link to the Android app market

https://play.google.com/store/apps/details?id=com.seeclickfix.houston311.app&feature=search_result

See news release:

http://www.click2houston.com/news/New-311-app-used-to-report-potholes-city-issues/-/1735978/17760744/-/m0s9cx/-/index.html

- Execution Responsibility
- Improvement
- Communication



The following information is needed

Name:

Contact Information:

Issue/Concerns:

Pictures/Videos:

Date, Time and Location:

Web Link: http://www.publicworks.houstontx.gov/row/index.html

We will close the loop!

Execution • R

Responsibility

Improvement

Communication